

DP-707

Hall Environmental Analysis Laboratory, Inc.

Date: 22-Oct-09

CLIENT: Vaz Dairy
Lab Order: 0910249
Project: VAZ Dairy
Lab ID: 0910249-02

Client Sample ID: MW-2
Collection Date: 10/13/2009 3:00:00 PM
Date Received: 10/14/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LJB
Chloride	4200	50		mg/L	500	10/18/2009 7:54:58 PM
Nitrate (As N)+Nitrite (As N)	24	10		mg/L	50	10/16/2009 12:57:10 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: MMS
Total Dissolved Solids	9720	20.0		mg/L	1	10/21/2009 6:23:00 PM
SM 4500 NORG C: TKN						Analyst: KS
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	10/19/2009 1:47:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 22-Oct-09

CLIENT: Vaz Dairy
Lab Order: 0910249
Project: VAZ Dairy
Lab ID: 0910249-01

Client Sample ID: MW-3
Collection Date: 10/13/2009 2:39:00 PM
Date Received: 10/14/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LJB
Chloride	3400	50		mg/L	500	10/18/2009 7:20:09 PM
Nitrate (As N)+Nitrite (As N)	23	10		mg/L	50	10/18/2009 7:37:34 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: MMS
Total Dissolved Solids	7510	20.0		mg/L	1	10/21/2009 6:23:00 PM
SM 4500 NORG C: TKN						Analyst: KS
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	10/19/2009 1:47:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 22-Oct-09

CLIENT: Vaz Dairy
Lab Order: 0910249
Project: VAZ Dairy
Lab ID: 0910249-04

Client Sample ID: MW-4
Collection Date: 10/13/2009 3:45:00 PM
Date Received: 10/14/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Analyst: TAF						
EPA METHOD 300.0: ANIONS						
Chloride	5900	50		mg/L	500	10/16/2009 2:41:37 PM
Nitrate (As N)+Nitrite (As N)	44	20		mg/L	100	10/18/2009 8:29:47 PM
Analyst: MMS						
SM2540C MOD: TOTAL DISSOLVED SOLIDS						
Total Dissolved Solids	11900	20.0		mg/L	1	10/21/2009 6:23:00 PM
Analyst: KS						
SM 4500 NORG C: TKN						
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	10/19/2009 1:47:00 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 22-Oct-09

CLIENT: Vaz Dairy
Lab Order: 0910249
Project: VAZ Dairy
Lab ID: 0910249-03

Client Sample ID: MW-5
Collection Date: 10/13/2009 3:20:00 PM
Date Received: 10/14/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LJB
Chloride	3800	50		mg/L	500	10/18/2009 8:12:22 PM
Nitrate (As N)+Nitrite (As N)	16	10		mg/L	50	10/16/2009 2:24:13 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: MMS
Total Dissolved Solids	8300	20.0		mg/L	1	10/21/2009 6:23:00 PM
SM 4500 NORG C: TKN						Analyst: KS
Nitrogen, Kjeldahl, Total	ND	2.0		mg/L	1	10/19/2009 1:47:00 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

DP-707

Hall Environmental Analysis Laboratory, Inc.

Date: 27-Jul-09

CLIENT: Vaz Dairy
Lab Order: 0907283
Project: VAZ Dairy
Lab ID: 0907283-04

Client Sample ID: MW-4
Collection Date: 7/15/2009 9:56:00 AM
Date Received: 7/16/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	5300	100		mg/L	1000	7/21/2009 12:11:35 PM
Nitrate (As N)+Nitrite (As N)	28	10		mg/L	50	7/21/2009 12:29:00 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	12100	20.0		mg/L	1	7/20/2009
SM 4500 NORG C: TKN						Analyst: LJB
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	7/24/2009

Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 27-Jul-09

CLIENT: Vaz Dairy
Lab Order: 0907283
Project: VAZ Dairy
Lab ID: 0907283-03

Client Sample ID: MW-5
Collection Date: 7/15/2009 9:26:00 AM
Date Received: 7/16/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	2500	50		mg/L	500	7/21/2009 11:36:45 AM
Nitrate (As N)+Nitrite (As N)	11	10		mg/L	50	7/21/2009 11:54:10 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	8170	20.0		mg/L	1	7/20/2009
SM 4500 NORG C: TKN						Analyst: LJB
Nitrogen, Kjeldahl, Total	ND	2.0		mg/L	1	7/24/2009

Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

BP-707

Hall Environmental Analysis Laboratory, Inc.

Date: 27-Jul-09

CLIENT: Vaz Dairy
Lab Order: 0907283
Project: VAZ Dairy
Lab ID: 0907283-02

Client Sample ID: MW-2
Collection Date: 7/15/2009 9:00:00 AM
Date Received: 7/16/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	2800	50		mg/L	500	7/21/2009 11:01:56 AM
Nitrate (As N)+Nitrite (As N)	20	10		mg/L	50	7/21/2009 11:19:21 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	9270	40.0		mg/L	1	7/20/2009
SM 4500 NORG C: TKN						Analyst: LJB
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	7/24/2009

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 27-Jul-09

CLIENT: Vaz Dairy
Lab Order: 0907283
Project: VAZ Dairy
Lab ID: 0907283-01

Client Sample ID: MW-3
Collection Date: 7/15/2009 8:30:00 AM
Date Received: 7/16/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						
Chloride	2000	50		mg/L	500	Analyst: TAF 7/21/2009 10:27:06 AM
Nitrate (As N)+Nitrite (As N)	16	10		mg/L	50	7/21/2009 10:44:31 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						
Total Dissolved Solids	8580	100		mg/L	1	Analyst: KMS 7/20/2009
SM 4500 NORG C: TKN						
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	Analyst: LJB 7/24/2009

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

DP-707

Hall Environmental Analysis Laboratory, Inc.

Date: 04-May-09

CLIENT: Vaz Dairy
Lab Order: 0904087
Project: VAZ Dairy
Lab ID: 0904087-03

Client Sample ID: MW-2
Collection Date: 4/4/2009 9:20:00 AM
Date Received: 4/6/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	3500	10		mg/L	100	4/27/2009 2:43:40 PM
Nitrate (As N)+Nitrite (As N)	22	4.0		mg/L	20	5/1/2009 7:27:01 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: JMP
Total Dissolved Solids	8400	200		mg/L	1	4/9/2009
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	4/14/2009

Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 04-May-09

CLIENT: Vaz Dairy
Lab Order: 0904087
Project: VAZ Dairy
Lab ID: 0904087-04

Client Sample ID: MW-3
Collection Date: 4/4/2009 10:28:00 AM
Date Received: 4/6/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	2600	10		mg/L	100	4/27/2009 3:01:05 PM
Nitrate (As N)+Nitrite (As N)	18	4.0		mg/L	20	5/1/2009 7:44:25 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: JMP
Total Dissolved Solids	6400	20		mg/L	1	4/9/2009
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	1.4	1.0		mg/L	1	4/14/2009

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
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- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Date: 04-May-09

CLIENT: Vaz Dairy
Lab Order: 0904087
Project: VAZ Dairy
Lab ID: 0904087-01

Client Sample ID: MW-4
Collection Date: 4/4/2009 8:00:00 AM
Date Received: 4/6/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	5600	20		mg/L	200	4/28/2009 2:27:57 PM
Nitrate (As N)+Nitrite (As N)	37	4.0		mg/L	20	5/1/2009 6:52:12 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: JMP
Total Dissolved Solids	11000	20		mg/L	1	4/9/2009
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	4/9/2009

Qualifiers:	* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
	E Estimated value	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	MCL Maximum Contaminant Level
	ND Not Detected at the Reporting Limit	RL Reporting Limit
	S Spike recovery outside accepted recovery limits	

Hall Environmental Analysis Laboratory, Inc.

Date: 04-May-09

CLIENT: Vaz Dairy
Lab Order: 0904087
Project: VAZ Dairy
Lab ID: 0904087-02

Client Sample ID: MW-5
Collection Date: 4/4/2009 8:50:00 AM
Date Received: 4/6/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	3500	10		mg/L	100	4/27/2009 2:26:15 PM
Nitrate (As N)+Nitrite (As N)	19	4.0		mg/L	20	5/1/2009 7:09:37 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: JMP
Total Dissolved Solids	7900	20		mg/L	1	4/9/2009
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	ND	2.0		mg/L	1	4/9/2009

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
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- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Date: 17-Dec-08

CLIENT: Vaz Dairy
Lab Order: 0812125
Project: VAZ Dairy
Lab ID: 0812125-02

Client Sample ID: MW-2
Collection Date: 12/3/2008 11:00:00 AM
Date Received: 12/5/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: RAGS
EPA METHOD 300.0: ANIONS						
Chloride	3300	20		mg/L	200	12/8/2008 1:19:51 PM
Nitrogen, Nitrate (As N)	26	1.0		mg/L	10	12/5/2008 10:55:37 AM
						Analyst: KMB
SM 2540C: TDS						
Total Dissolved Solids	8600	20		mg/L	1	12/5/2008
						Analyst: TAF
SM 4500 NORG C: TKN						
Nitrogen, Kjeldahl, Total	ND	2.0		mg/L	1	12/12/2008

Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 17-Dec-08

CLIENT: Vaz Dairy
Lab Order: 0812125
Project: VAZ Dairy
Lab ID: 0812125-01

Client Sample ID: MW-4
Collection Date: 12/3/2008 10:05:00 AM
Date Received: 12/5/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	5100	20		mg/L	200	12/9/2008 11:59:59 AM
Nitrate (As N)+Nitrite (As N)	37	10		mg/L	50	12/16/2008 10:52:53 PM
SM 2540C: TDS						Analyst: KMB
Total Dissolved Solids	12000	20		mg/L	1	12/5/2008
SM 4500 NORG C: TKN						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	12/12/2008

Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

DP-707

Hall Environmental Analysis Laboratory, Inc.

Date: 17-Dec-08

CLIENT: Vaz Dairy
Lab Order: 0812125
Project: VAZ Dairy
Lab ID: 0812125-04

Client Sample ID: MW-3
Collection Date: 12/3/2008 12:35:00 PM
Date Received: 12/5/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	2800	20		mg/L	200	12/9/2008 12:52:12 PM
Nitrogen, Nitrate (As N)	21	1.0		mg/L	10	12/5/2008 11:46:51 AM
SM 2540C: TDS						Analyst: KMB
Total Dissolved Solids	7700	20		mg/L	1	12/5/2008
SM 4500 NORG C: TKN						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	12/12/2008

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 17-Dec-08

CLIENT: Vaz Dairy
Lab Order: 0812125
Project: VAZ Dairy
Lab ID: 0812125-03

Client Sample ID: MW-5
Collection Date: 12/3/2008 11:40:00 AM
Date Received: 12/5/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	3200	20		mg/L	200	12/8/2008 1:37:16 PM
Nitrogen, Nitrate (As N)	18	0.10		mg/L	1	12/5/2008 11:29:27 AM
SM 2540C: TDS						Analyst: KMB
Total Dissolved Solids	8200	20		mg/L	1	12/5/2008
SM 4500 NORG C: TKN						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	2.0		mg/L	1	12/12/2008

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

08-707

Hall Environmental Analysis Laboratory, Inc.

Date: 10-Jul-06

CLIENT: Vaz Dairy
Lab Order: 0606254
Project: VAZ-Dairy
Lab ID: 0606254-01

Client Sample ID: MW-4
Collection Date: 6/24/2006 11:45:00 AM
Date Received: 6/26/2006
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						
Chloride	5700	20		mg/L	200	Analyst: MAP 7/3/2006 3:28:44 PM
Nitrate (As N)+Nitrite (As N)	45	2.0		mg/L	20	7/3/2006 3:46:08 PM
EPA METHOD 160.1: TDS						
Total Dissolved Solids	12000	20		mg/L	1	Analyst: TES 6/29/2006
EPA METHOD 351.3: TKN						
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	Analyst: TES 6/29/2006

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 10-Jul-06

CLIENT: Vaz Dairy
Lab Order: 0606254
Project: VAZ-Dairy
Lab ID: 0606254-02

Client Sample ID: MW-3
Collection Date: 6/24/2006 12:45:00 PM
Date Received: 6/26/2006
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						
Chloride	3900	10		mg/L	100	Analyst: MAP 7/6/2006 4:08:00 PM
Nitrogen, Nitrate (As N)	32	0.50		mg/L	5	6/26/2006 12:01:54 PM
EPA METHOD 160.1: TDS						
Total Dissolved Solids	10000	20		mg/L	1	Analyst: TES 6/29/2006
EPA METHOD 351.3: TKN						
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	Analyst: TES 6/29/2006

DP-707

Upgradient MW associated
with the highest $\text{NO}_3\text{-N}$ reported

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 27-Oct-09

CLIENT: Vaz Dairy
Lab Order: 0910275
Project: DMR Sampling
Lab ID: 0910275-01

Client Sample ID: Ret. Res
Collection Date: 10/14/2009 4:00:00 PM
Date Received: 10/15/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LJB
Chloride	2900	20		mg/L	200	10/21/2009 7:51:25 PM
Nitrogen, Nitrite (As N)	ND	5.0		mg/L	50	10/16/2009 3:42:41 AM
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	10/16/2009 3:25:17 AM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	10/16/2009 3:25:17 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: MMS
Total Dissolved Solids	6360	100		mg/L	1	10/22/2009 5:32:00 PM
SM 4500 NORG C: TKN						Analyst: KS
Nitrogen, Kjeldahl, Total	130	2.0		mg/L	1	10/19/2009 1:47:00 PM

Qualifiers:	* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
	E Estimated value	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	MCL Maximum Contaminant Level
	ND Not Detected at the Reporting Limit	RL Reporting Limit
	S Spike recovery outside accepted recovery limits	

DP-701

Hall Environmental Analysis Laboratory, Inc.

Date: 27-Jul-09

CLIENT: Vaz Dairy
Lab Order: 0907283
Project: VAZ Dairy
Lab ID: 0907283-05

Client Sample ID: RR
Collection Date: 7/15/2009 9:15:00 AM
Date Received: 7/16/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	1900	50		mg/L	500	7/21/2009 1:38:38 PM
Nitrate (As N)+Nitrite (As N)	ND	10		mg/L	50	7/21/2009 1:56:03 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	7/16/2009 7:50:07 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	5440	100		mg/L	1	7/20/2009
SM 4500 NORG C: TKN						Analyst: LJB
Nitrogen, Kjeldahl, Total	23	5.0		mg/L	1	7/24/2009

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: 16-Apr-09

CLIENT: Vaz Dairy
Lab Order: 0904192
Project: DMR Sampling
Lab ID: 0904192-01

Client Sample ID: RR
Collection Date: 4/13/2009 3:40:00 PM
Date Received: 4/14/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Analyst: TAF						
EPA METHOD 300.0: ANIONS						
Chloride	2900	10		mg/L	100	4/15/2009 5:11:03 AM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	4/15/2009 4:53:39 AM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	4/15/2009 4:53:39 AM
Phosphorus, Orthophosphate (As P)	13	5.0		mg/L	10	4/15/2009 4:53:39 AM
Analyst: JMP						
SM2540C MOD: TOTAL DISSOLVED SOLIDS						
Total Dissolved Solids	6300	200		mg/L	1	4/14/2009
Analyst: KMS						
SM 4500 NORG C: TKN						
Nitrogen, Kjeldahl, Total	190	10		mg/L	1	4/16/2009

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 21-Jan-09

CLIENT: Vaz Dairy
Lab Order: 0901191
Project: RL Sampling
Lab ID: 0901191-01

Client Sample ID: RR-2
Collection Date: 1/12/2009 5:10:00 PM
Date Received: 1/14/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	2900	10		mg/L	100	1/14/2009 4:23:14 PM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	1/14/2009 4:05:49 PM
Nitrogen, Nitrate (As N)	ND	2.0		mg/L	20	1/14/2009 4:05:49 PM
Phosphorus, Orthophosphate (As P)	23	5.0		mg/L	10	1/14/2009 3:48:24 PM
SM 2540 C: TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	6700	400		mg/L	1	1/14/2009
SM 4500 NORG C: TKN						Analyst: TAF
Nitrogen, Kjeldahl, Total	150	5.0		mg/L	1	1/15/2009

Qualifiers: * Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

DP-701

Hall Environmental Analysis Laboratory, Inc.

Date: 19-Jul-07

CLIENT: Vaz Dairy
Lab Order: 0707190
Project: DMR Sampling
Lab ID: 0707190-01

Client Sample ID: RR
Collection Date: 7/12/2007 4:35:00 PM
Date Received: 7/13/2007
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						
Chloride	2400	10		mg/L	100	Analyst: KS 7/13/2007 7:32:28 PM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	7/13/2007 7:15:03 PM
Nitrogen, Nitrate (As N)	ND	2.0		mg/L	20	7/13/2007 7:15:03 PM
Phosphorus, Orthophosphate (As P)	45	10		mg/L	20	7/13/2007 7:15:03 PM
EPA METHOD 160.1: TDS						
Total Dissolved Solids	9600	2000		mg/L	1	Analyst: TAF 7/17/2007
EPA METHOD 351.3: TKN						
Nitrogen, Kjeldahl, Total	420	10		mg/L	1	Analyst: SLB 7/18/2007

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

OP-101

Hall Environmental Analysis Laboratory, Inc.

Date: 27-Jul-09

CLIENT: Vaz Dairy
Lab Order: 0907283
Project: VAZ Dairy
Lab ID: 0907283-05

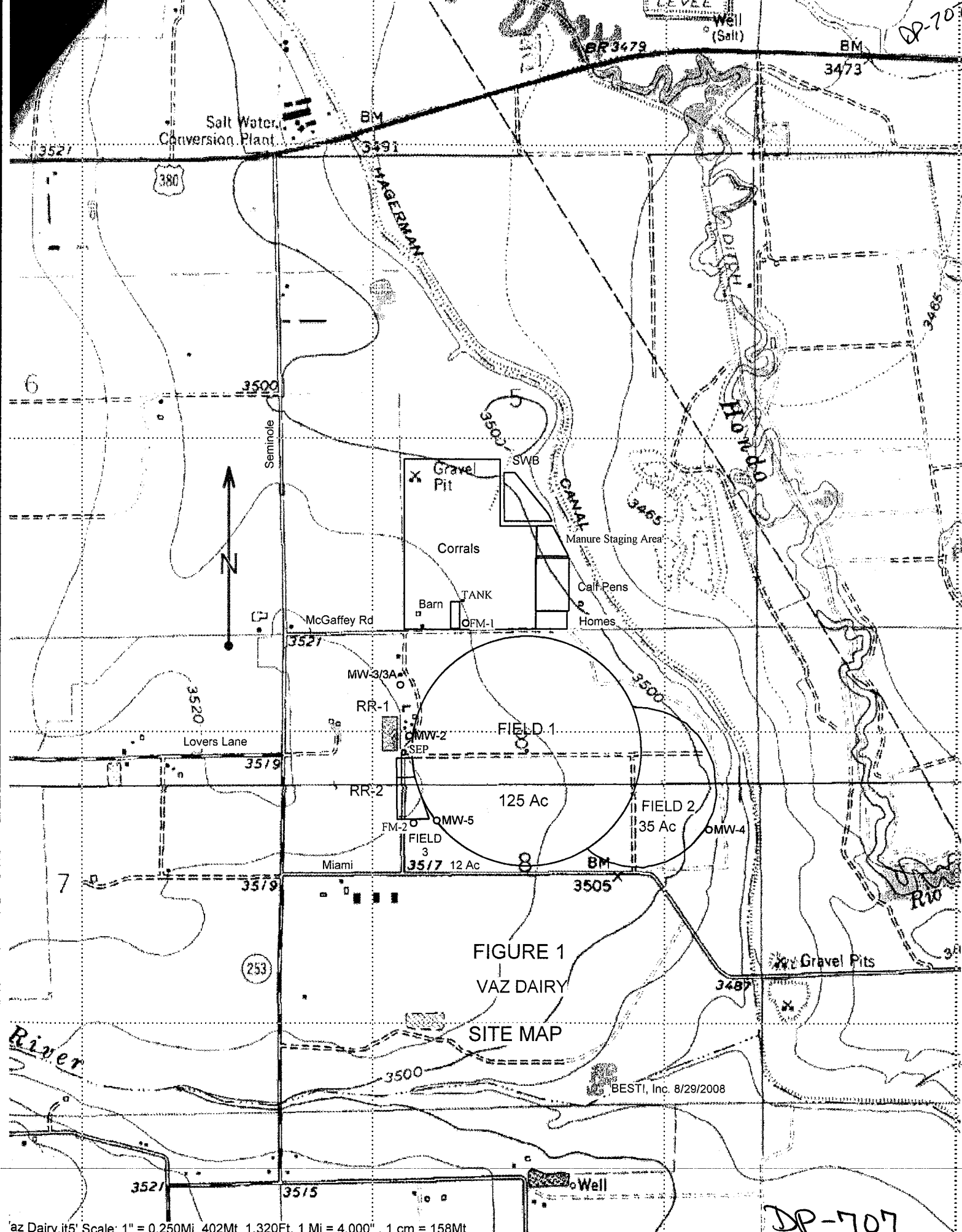
Client Sample ID: RR
Collection Date: 7/15/2009 9:15:00 AM
Date Received: 7/16/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	1900	50		mg/L	500	7/21/2009 1:38:38 PM
Nitrate (As N)+Nitrite (As N)	ND	10		mg/L	50	7/21/2009 1:56:03 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	7/16/2009 7:50:07 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	5440	100		mg/L	1	7/20/2009
SM 4500 NORG C: TKN						Analyst: LJB
Nitrogen, Kjeldahl, Total	23	5.0		mg/L	1	7/24/2009

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit



DP-707

DP-707